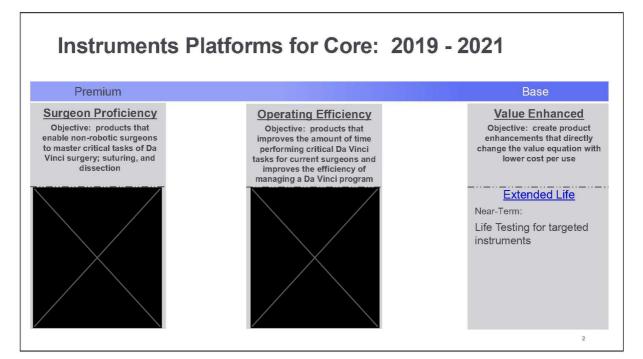
Core Instrument Strategy Extended Lives Narrative 09/05/19 INTUÎTIVE



Extended Life Instruments: Needle Drivers, Graspers, Clip Appliers Competitive Positioning Value to ISI Value to Customer 1. Allows for a tiered price-1. Lowers price-per-use for 1. Value based category of common core instruments per-use of instruments instrumentation in based on stresses on the common Da Vinci 2. Reduces the frequency of device under normal use reorders for common core surgeries instruments 2. Reduces the number of 2. Further defends price 3. Reduces waste, increases instruments built on an position from competitive efficiency annual basis entry

Cumulative Design Improvements to increase instrument life

How can you increase instrument lives and reprocessing cycles on certain core instruments?

In an effort to continuously improve instrument reliability and cost efficiency, the da Vinci Instruments are designed with extended instrument lives to reduce price-per-use while maintaining expected performance characteristics over the life of the instrument.

Enabling Improvements:

- · Cumulative design improvements
- Rigorous reprocessing testing

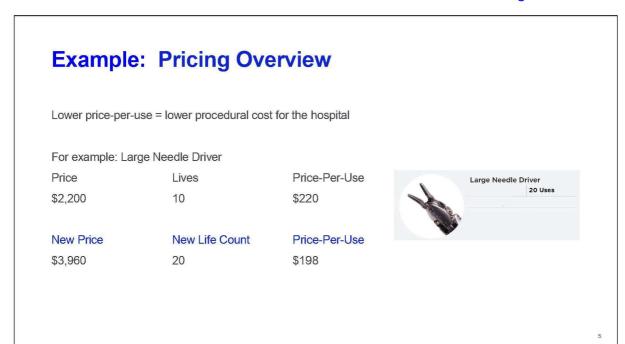
Supporting Data:

- · Design improvement history
- · Reprocessing guideline improvement
- Declining RMA rates across instrument family



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IMPROVE, TEST, COLLABORATE TO ENSURE MAX LONGEVITY



Manage perception of price increase;

Procedure Kits: Non-Standardized Instruments

Hernia (USD): Xi, 3-arm	Cholecystectomy (USD): Xi 4-arm	GYN-b (USD): Xi 3-arm
MCS (\$340)	10 life Hook (\$200)	MCS (\$340)
15 life Force Bipolar (\$280)	15 life ProGrasp (\$180)	15 life Force Bipolar (\$280)
20 life Large ND (\$180)	200 fire M/L Clip Applier (\$10) x5	20 life Mega SCND (\$195)
	15 life Fenestrated Bipolar (\$220)	
Accys Total*: \$271	Accys Total: \$332	Accys Total*: \$271
Total dV I&A: \$1,071	Total dV I&A: \$982	Total dV I&A: \$1,086
-10% discount**	-9% discount	-9% discount

^{*} Includes 4th arm drape (inoperable) at \$10 ** As compared to Most Efficient Xi I&A choreography

Launch Considerations

Consider cadence of release (all at once, staggered, etc.)

Consider bundling concept (program approach):

- · Republish reprocessing guidelines/ best practices
- · Peel-pack emphasis/ options to supply
- Training

Consider launching extended life instruments with new visual brand language (2.0)?

- · Provides visual identifier for 10 vs 20 life instruments
- · Reduces confusion and burden of manual tracking of reprocessing cycles (if mixed inventory)

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Hard cut over to ext. lives - consider inventory consumption scenarios

Questions?

Why now?

Cumulative/ historical RMA analysis combined with design and reprocessing improvements enables extension of lives.

Why is the instrument more expensive?

The price-per use of the instrument is reduced.

Why aren't all instruments receiving extended lives?

Instruments are chosen based on previously reviewed variables. Lives are determined by instrument action (cutting, clipping, grasping, etc.), reprocessing benchmarks (number of estimated cycles), and performance requirements (clinical task).

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Extended Life Core Instruments

Project Pillars

- Increase number of lives for needle drivers, cold graspers and clip appliers
- Lower benign procedure prices where a single energy instrument is used

Product Pillars

- Needle Drivers to 15 lives
- · Cold Graspers to 20 lives
- Clip Appliers to 200 fires

DA VINCI XI ITEM CODE	NUMBER OF USES	INSTRUMENT NAME
ENDOWRIST N	NEEDLE DRI	VERS
470006	15	Large Needle Drive
470309	15	Mega" SutureCut" Needle Driver
470296	15	Large SutureCut Needle Driver
470194	15	Mega Needle Driver
ENDOWRIST O	GRASPERS	
470093	20	ProGrasp* Forceps
470207	20	Tenaculum Forceps
470347	20	Tip-Up Fenestrated Grasper
470048	10	Long Tip Forceps
470318	20	Small Graptor* (Grasping Retractor)
470049	20	Cadiere Forceps
470190	20	Cobra Grasper
CLIP APPLIER	es	
470230	200	Large Clip Applier
470327	1200	Medium-Large Clip Applier
470401	1200	Small Clip Applier

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Financials

			Current Current		Price/		New		New		New Price		
da Vinci Xi 8mm EndoWrist Instruments		Qty	Uses	Price		Use			Discount	Price		/ Use	
470006-10	Large Needle Driver	1	10	\$	2,200.00	\$	220.00	20	10%	\$	3,960.00	\$	198.00
470309-11	Mega™ SutureCut™ Needle Driver	1	10	\$	2,400.00	\$	240.00	20	10%	\$	4,320.00	\$	216.00
470033-08	Black Diamond Micro Forceps	1	15	\$	3,000.00	\$	200.00	30	10%	\$	5,400.00	\$	180.00
470093-08	ProGrasp™ Forceps	1	10	\$	2,200.00	\$	220.00	20	10%	\$	3,960.00	\$	198.00
470207-08	Tenaculum Forceps	1	10	\$	2,200.00	\$	220.00	20	10%	\$	3,960.00	\$	198.00
470347-08	Tip-Up Fenestrated Grasper	1	10	\$	2,200.00	\$	220.00	20	10%	\$	3,960.00	\$	198.00
470181-08	Resano Forceps	1	10	\$	2,200.00	\$	220.00	20	10%	\$	3,960.00	\$	198.00
470318-08	Small Graptor™ (Grasping Retractor)	1	10	\$	2,400.00	\$	240.00	20	10%	\$	4,320.00	\$	216.00
470048-08	Long Tip Forceps	1	10	\$	2,800.00	\$	280.00	20	10%	\$	5,040.00	\$	252.00
470215-08	Cardiac Probe Grasper	1	10	\$	2,400.00	\$	240.00	20	10%	\$	4,320.00	\$	216.00
470230-09	Large Clip Applier	1	100	\$	1,400.00	\$	14.00	200	10%	\$	2,520.00	\$	12.60
470327-09	Medium-Large Clip Applier	1	100	\$	1,400.00	\$	14.00	200	10%	\$	2,520.00	\$	12.60
470249-08	Dual Blade Retractor	1	10	\$	3,500.00	\$	350.00	20	10%	\$	6,300.00	\$	315.00
470246-08	Atrial Retractor Short Right	1	10	\$	3,500.00	\$	350.00	20	10%	\$	6,300.00	\$	315.00
470001-08	Potts Scissors	1	10	\$	1,950.00	\$	195.00	20	10%	\$	3,510.00	\$	175.50
470007-04	Round Tip Scissors	1	10	\$	2,035.00	\$	203.50	20	10%	\$	3,663.00	\$	183.15
470049-04	Cadiere Forceps	1	10	\$	2,100.00	\$	210.00	20	10%	\$	3,780.00	\$	189.00
470296-04	Large SutureCut Needle Driver	1	10	\$	2,400.00	\$	240.00	20	10%	\$	4,320.00	\$	216.00
470194-04	Mega Needle Driver	1	10	\$	2,200.00	\$	220.00	20	10%	\$	3,960.00	\$	198.00
470190-03	Cobra Grasper	1	10	\$	2,200.00	\$	220.00	20	10%	\$	3,960.00	\$	198.00
470401-05	Small Clip Applier	1	100	\$	2,800.00	\$	28.00	200	10%	\$	5,040.00	\$	25.20
470036-03	Debakey Forceps	1	10	\$	2,000.00	\$	200.00	20	10%	\$	3,600.00	\$	180.00

Extended Life Instrument Reasoning Technical Improvements Reprocessing Improvements Published Reprocessing Cycles in C&S Manual · Xi & Si Instrument Grasper Family · Improved instrument handling due to reprocessing limits >>>>>>>>> - 1.5x reprocessing per instrument life - Gentler on instrument parts due to lower processing Published reprocessing guidelines (11/17 Xi; 2/18 Si) Evidence: 1. RMA analysis for number of lives remaining 2. Peel packing study 3. Bench testing HATBÉLIYE 12